



LIGHTIFY Pro

Commissioning and control via Smart Device (Tablet / Smart Phone)

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Welcome to LIGHTIFY Pro

Many thanks for purchasing a LIGHTIFY Pro product.

For more detailed information about the LIGHTIFY Pro system, including descriptions of use, data sheets and installation information, please see:

www.osram.com/lightify-pro

1. LIGHTIFY Pro system overview and operating principle

The LIGHTIFY Pro system contains of hardware and software components

Hardware of LIGHTIFY Pro system:

- LIGHTIFY Pro Gateway
- LIGHTIFY Pro system components
 - LIGHTIFY Pro DSE
 - LIGHTIFY Pro PBC
 - ...

Software / Apps of LIGHTIFY Pro system:

- LIGHTIFY Pro Commissioning App
 - Mandatory to commission LIGHTIFY Pro system (→ see 4.)
- LIGHTIFY Pro Control App
 - Mandatory to control LIGHTIFY Pro system (→ see 5.)

Download LIGHTIFY Pro app(s)

For more detailed information about available versions, please visit our website at:

www.osram.com/lightify-pro

→ Please download the latest LIGHTIFY Pro app(s).



= LIGHTIFY Pro Commissioning App
→ Tablet – IOS 8.x
→ PC – Windows (available later)



= LIGHTIFY Pro Control App
→ Smart Phone / Tablet – IOS 8.x / Android 4.x
→ PC – Windows (available later)

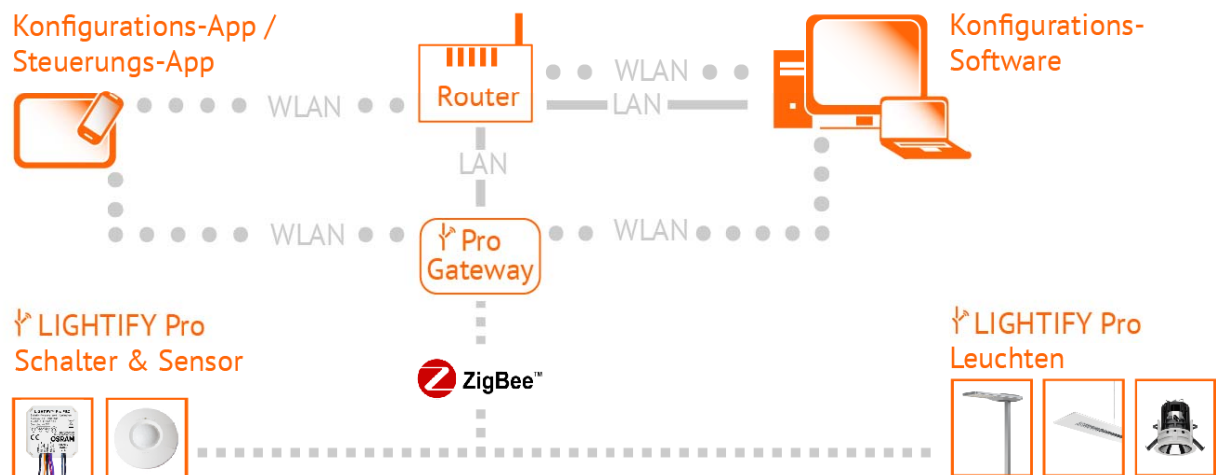
Before starting the installation

Please make sure that following conditions are fulfilled:

1. Smart Device available?
 - Tablet → IOS 8.x
 - Smart Phone → IOS 8.x / Android 4.x
2. App(s) downloaded and installed on your Smart Device?
 - Commissioning App → Tablet – IOS 8.x
 - Control App → Smart Phone / Tablet – IOS 8.x / Android 4.x
3. Shall an existing IT network be used at the installation site?
 - LIGHTIFY Pro System to be integrated in IT network → CLIENT mode
 - LIGHTIFY Pro System used independently → HOTSPOT mode

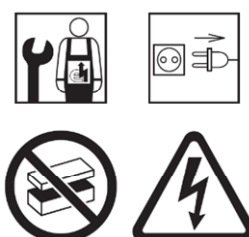
Operating principle

Network overview:



2. Installation information

- Please see the respective installation information of each LIGHTIFY Pro product!



3. Start – first steps

Step 1: Download latest app(s): www.osram.com/lightify-pro



- = LIGHTIFY Pro Commissioning App
- Tablet – IOS 8.x
 - PC – Windows (available later)

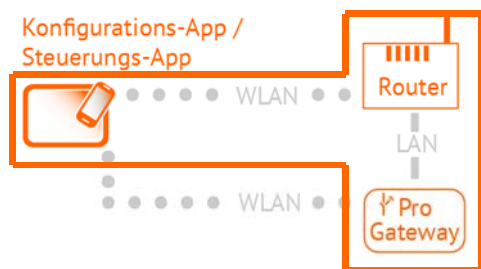


- = LIGHTIFY Pro Control App
- Smart Phone / Tablet – IOS 8.x / Android 4.x
 - PC – Windows (available later)

Step 2: Make up your mind whether an existing IT network can/shall be used or not:

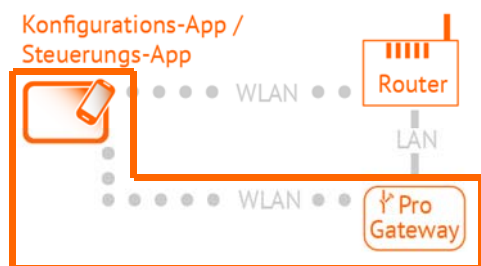
Answer: **YES**, I want IT network integration

- **CLIENT mode (with Router)**



Answer: **NO**, it should work independently

- **HOTSPOT mode (w/o Router)**



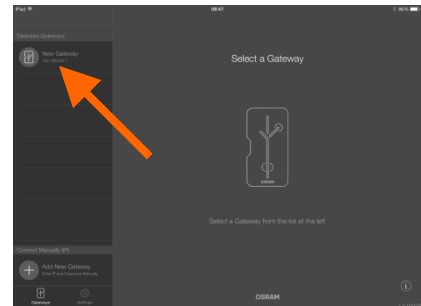
Step 3: Please install the Gateway, switch it ON and establish a connection between the Gateway and your Smart Device:

- **CLIENT-Mode (with Router)**
WIFI access code: Contact your IT system administrator
- **HOTSPOT-Mode (w/o Router)**
WIFI access code: see backside of your Gateway



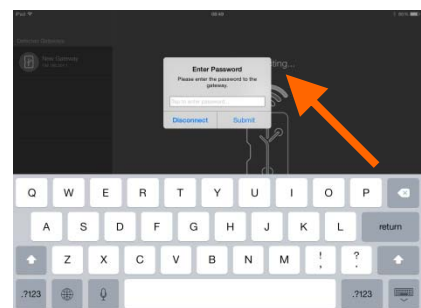
3. Start – first steps

Step 4: Please activate your LIGHTIFY Pro Commissioning App and select the connected Gateway.

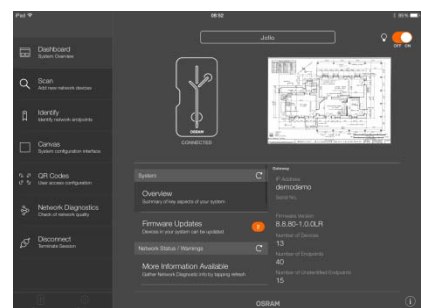


Step 5: After Gateway selection you will be asked to enter a personal password.

- Enter personal password to protect your Gateway from unauthorized access.
- During initial commissioning you have to confirm password once.



READY: Now your LIGHTIFY Pro system status will be activated and you can start your system commissioning.





4. Configuration with the LIGHTIFY Pro Commissioning app

In section 4, the LIGHTIFY Pro system configuration is shown with use of the following app:

LIGHTIFY Pro Commissioning app



→ Open the app on your smart device.

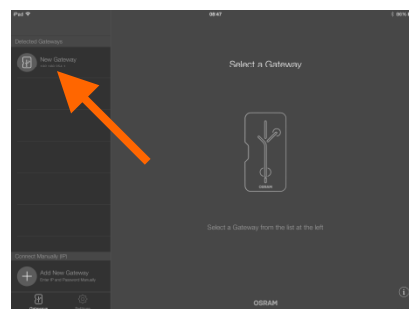
4.1 Functions

4.1.1 Selection and activation of the LIGHTIFY Pro Gateway

Select the gateway to be activated from the list on the left.



→ Following activation, all the system parameters are loaded and made available on the graphical user interface.



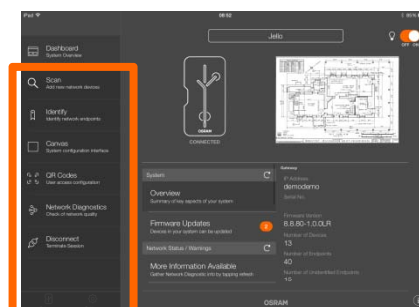
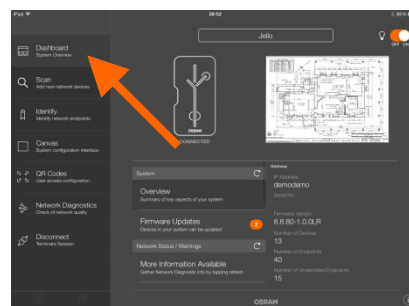
4.1.2 Dashboard (System Overview)

The overview informs you about the system state and is the start point for all further activities.



→ Based on the system overview, you can activate the following functional areas:

- | | | |
|--|-----------------------|----------------|
| | - Scan | (see: 4.1.2.1) |
| | - Identify | (see: 4.1.2.2) |
| | - Canvas | (see: 4.1.2.3) |
| | - QR Codes | (see: 4.1.2.4) |
| | - Network Diagnostics | (see: 4.1.2.5) |
| | - Disconnect | (see: 4.1.2.6) |
| | - Gateways | (see: 4.1.2.7) |
| | - Settings | (see: 4.1.2.8) |





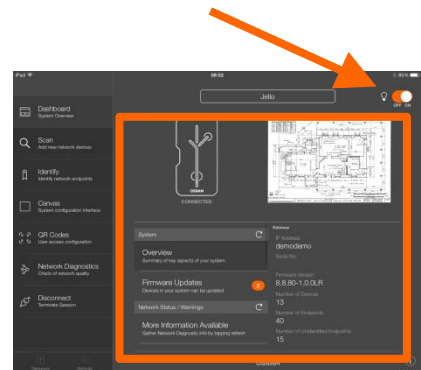
4.1.2. Dashboard (System Overview)

The overview informs you about:

- System state (e.g. available software updates)
- Network status (e.g. accessibility of system devices)
- Gateway data (e.g. IP address)



→ **Direct system control** is already available within the overview.



Automatic user navigation:



When the system overview is called, you are automatically navigated through the first steps to commissioning and system configuration.

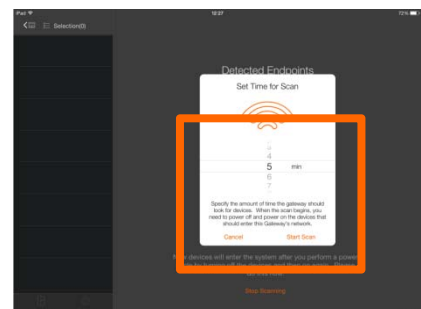
→ **Observe the highlighted graphically flashing symbols**

4.1.2.1 Scan (Add new network devices)



→ In the system overview, press **Scan**.

1. **Disconnect** new devices / network devices
2. **Select the time** for the scan process
(Note: The more devices there are to be read in, the longer the time selected should be)
3. **Start the scan** process
4. **Switch on new devices / network devices**



If the process was aborted during scanning or if devices / network devices could not be correctly identified / read in, restart the scanning process.



4.1.2.2 Identify (Identify network endpoints)

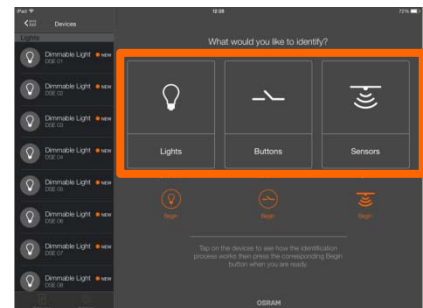


→ In the system overview, press **Identify**.

You can identify the following 3 product types:

1. Lights (lamps, luminaires)
2. Push-buttons / switches (manual operating interface)
3. Sensors (motion and daylight sensors)

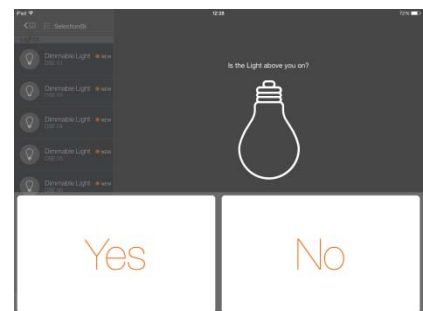
Clicking the symbols informs you about the specific operating principle during identification.



Select the first product to be identified and start the process.



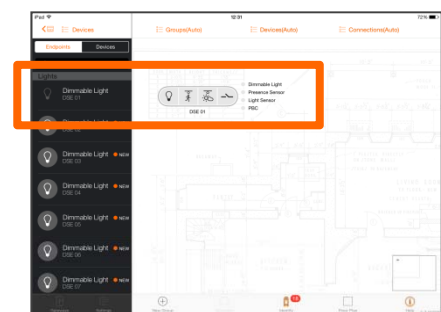
→ To **start identification**, press the specific symbol and follow the instructions.



First identification completed:

If the network device selected by you has been identified, it can then be directly used and configured.

→ see 4.1.2.3 Canvas



Important:

A network device may contain several configurable end points, e.g. LIGHTIFY Pro DSE → see diagram on right



Carrying out further identifications:

Restart the process to identify other network devices.



4.1.2.3 Canvas (System configuration interface)



→ In the system overview, press the **Canvas**.

Orientation:

Left

- **List of products / network devices**
 - The view can be changed between "Endpoints" and "Devices"

Top

- **Display settings**
 - The view can be changed between "Groups", "Devices" and "Connections"

Center

- **Canvas**

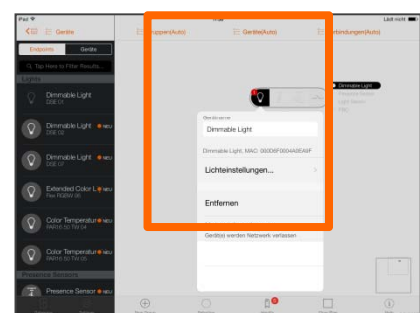
Below

- **Functions for system configuration**
 - "New group", "Selection", "Identification", "Layout" and "Help"



Operating the canvas:

- Object selection = **1x short press**
- Activation of parameter list = **2x short press**
- Move object (drag&drop) = **press and hold**
- Establish connections = **draw connection between 2 objects with your finger**
- Delete connections = **1x short press on Connection**



Configuration of network devices:

→ **See 4.2: Configuration** (setting system parameters)



Data saving:

Data is automatically saved after each configuration step is implemented. This process is indicated by a data transfer symbol during data saving.



4.1.2.4 QR Codes (Creating QR Codes for system control)

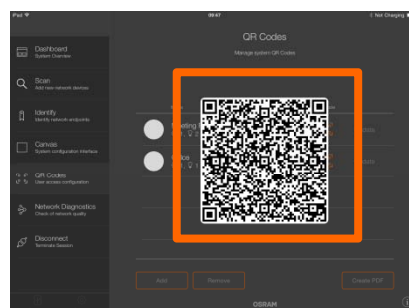
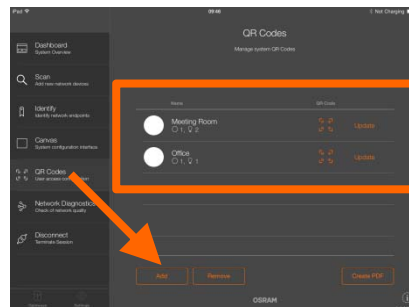


→ In the system overview, press **QR Codes**.

Important:

QR Codes determines which functions used by the **LIGHTIFY Pro Control App** are enabled.

- Step 1: **Select “Add”** and **name** the **QR Code**
- Step 2: **Choose** your group(s) for specific QR Code activation. You are given a list of all groups in your system configuration
- Step 3: By pressing on each group, **select the functions** you wish to enable for **Control App** and press **“Done”**
- Step 4: **Press QR symbol** behind each group to create final QR Code
- Step 5: **Select “Create PDF”** to choose your favored print layout



The generated QR code can be read in by any **smart device with a camera** with use of the **LIGHTIFY Pro Control app**. The functions enabled by the system permissions are automatically made available for use on the smart device used.

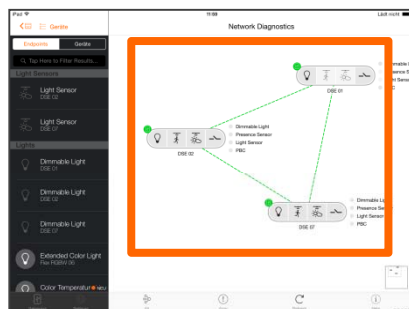
4.1.2.5 Network diagnostics (Check of network quality)



→ In the system overview, press **Network diagnostics**.

Status symbols:

- Green** - connection / signal available
- Orange** - connection / signal is moderate
- Red** - no connection / signal

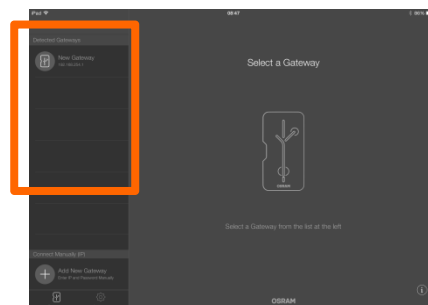


4.1.2.6 Disconnecting (Disconnect gateway connection)



→ In the system overview, press **Disconnect**.

To restore the connection, select the connecting gateway from the list.





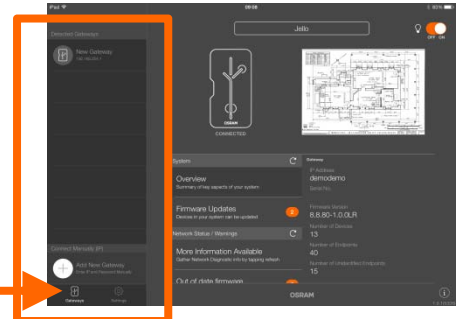
4.1.2.7 Gateways



→ In the system overview, press **Gateways**

Important:

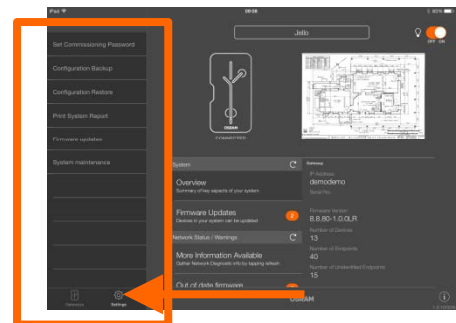
The list on the left shows your connected Gateway only. If you like to connect to another Gateway, please disconnect first and then set up new connection (WLAN) to the next Gateway.



4.1.2.8 Settings



→ In the system overview, press **Settings**



4.1.2.8.1 Set Commissioning Password

→ **Change your System Password** here, if required.

4.1.2.8.2 Configuration Backup

→ **Use the Backup function** to store your system configuration on an USB stick **for safety**.

4.1.2.8.3 Configuration Restore

→ **Use the Restore function** to recover a saved system configuration.

4.1.2.8.4 Print System Report

→ **Use the System Report Print function** to receive a PDF based report of the complete system configuration.

4.1.2.8.5 Firmware Updates

→ **Use the Firmware Updates function** to download / upload new firmware to your system.

Step 1: **Download Firmware Updates** from the internet first – **IMPORTANT:** Internet connection required!

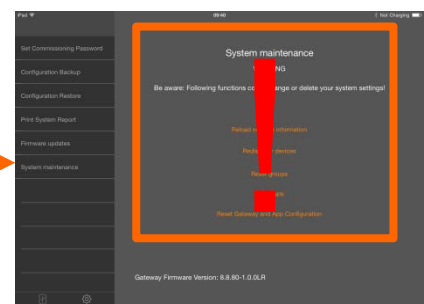
Step 2: **Upload Firmware Updates** to your system components

4.1.2.8.6 System Maintenance

→ **Use System Maintenance functions** to reload / rediscover / reset / fix system data.

→ **ATTENTION!**

The System Maintenance functions can change or delete your system settings.





4.2. Configuration (Setting system parameters)

Configuring individual network devices is implemented in the configuration interface.

→ See 4.1.2.3: Canvas (System configuration interface)



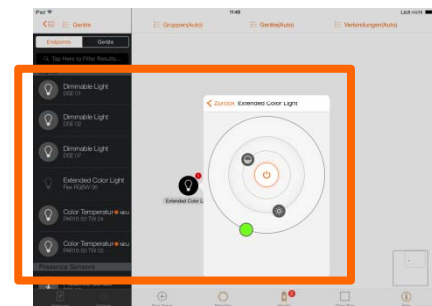
4.2.1. Activating and setting system parameters



→ In the system overview, press the **Canvas**.

Operating the Canvas:

- | | |
|------------------------------|--|
| Object selection | = 1x short press |
| Activation of parameter list | = 2x short press |
| Move object (drag&drop) | = press and hold |
| Establish connection | = draw the connection between 2 objects with your finger |
| Delete connections | = 1x short press on Connection |



Important:

Different network devices will show different parameter lists in regard to their implemented functions.

Data saving:

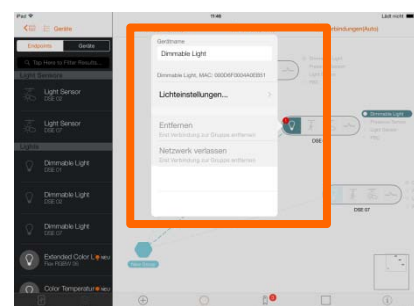
Data is automatically saved after each configuration step is implemented. This process is indicated by a data transfer symbol during data saving.

4.2.1.1. Removing existing network devices

Important:

Network devices can be:

- removed from Canvas**
(device still exist and can be used in network)
- deleted from Network**
(device will not exist in network anymore)



Step 1: **Activate the parameter list (2x short press) of device**, which shall be removed from canvas

Step 2: **Please choose:**

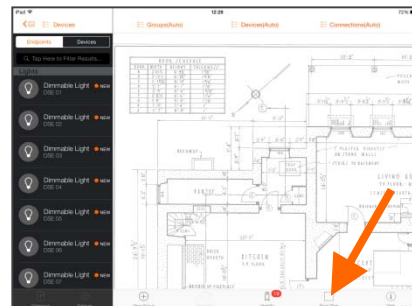
- „Remove from Canvas“
- „Delete from network“



4.2.1.2. Uploading / using floor plan

Important: Useable data formats: PDF, JPG, GIF

- Step 1: **Copy** floor plan to an existing **USB stick** and connect stick to USB input on Gateway
- Step 2: **Select "Floor Plan"** in Canvas and **upload** floor plan from USB stick

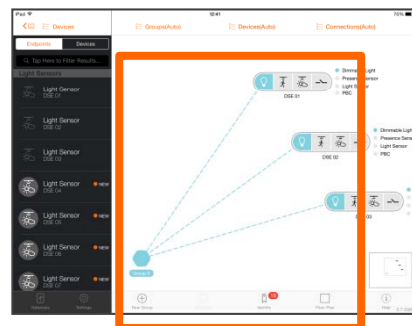
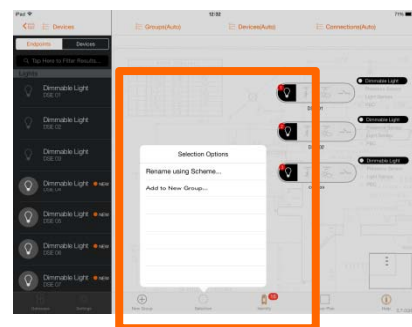


4.2.1.3. Creating groups

- Step 1: **Via drag & drop**, move the **devices** to be grouped from the list of network devices onto the Canvas
- Step 2: **Select the end points** of the products to be grouped
- Step 3: **Activate the "Select" function** and **select "Add to new group"**

or

- Step 1: **Via drag & drop**, move the **devices** to be grouped from the list of network devices onto the Canvas
- Step 2: **Activate the "New group" function**
- Step 3: **Connect the end points** of the products to be grouped with the **newly established**



4.2.1.4. Saving scenes

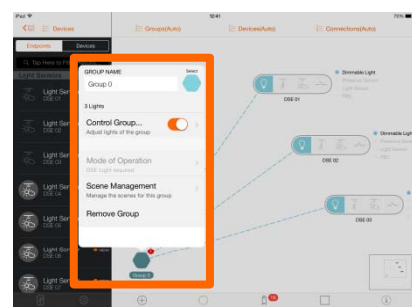
Important:

Scenes are saved at group level.

- a) Assign a scene to a complete group
- b) Assign a scene to a product in a group

a) Assign a scene to a complete group:

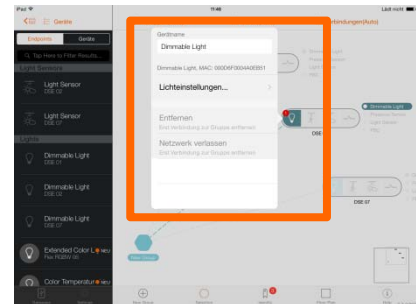
- Step 1: **Activate the parameter list** (2x short press) of the **group** for which the scene is intended
- Step 2: **Select "Control light"**
- Step 3: **Configure the light setting** according to your requirements and press **"New scene from current settings"**
- Step 4: **Name the scene** that is then automatically saved with the assigned name





b) Assign a scene to a product in a group:

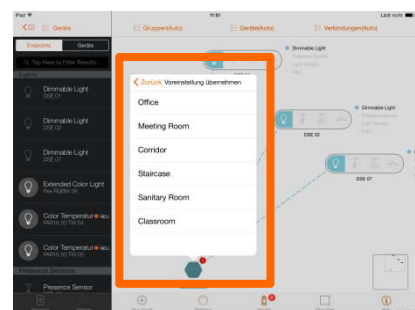
- Step 1: **Activate the parameter list (2x short press)** of the **end point / product** for which the scene is intended
- Step 2: **Select "Control light"**
- Step 3: **Configure the light setting** according to your requirements
- Step 4: **Activate the parameter list (2x short press)** of the **group** containing the end point / product
- Step 5: Select **"Scene management"** in the parameter list
- Step 6: **Add a scene to the list and name the scene.** This is then automatically saved under the assigned name



➔ All saved scenes can be displayed, edited and activated under **"Scene management"** in the parameter list

4.2.1.5. Calling and setting the operating mode

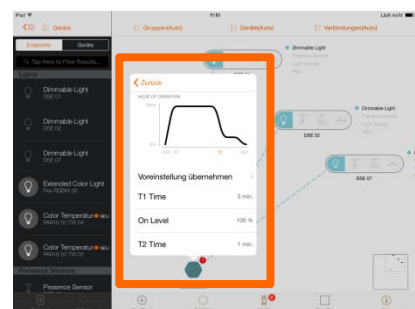
- Step 1: **Activate the parameter list (2x short press)** of the **group** for which the operating mode is intended
- Step 2: **Select "Operating mode"**
- Step 3: **Select "Display selection"** for the following pre-configured operating modes:
 1. **Office**
 2. **Meeting room**
 3. **Corridor**
 4. **Staircase**
 5. **Sanitary room**
 6. **Classroom**



or

Configure the required **operating mode** yourself by using the parameter list:

1. **T1 Time**
2. **On Level**
3. **T2 Time**
4. **Hold Level**



- Step 4: **Activate / deactivate additional functions** in the parameter list:
 - Semi-automatic** = manual switch-on required via push-button / switch
 - Staircase function** = light signal / power dip shortly before switch-off

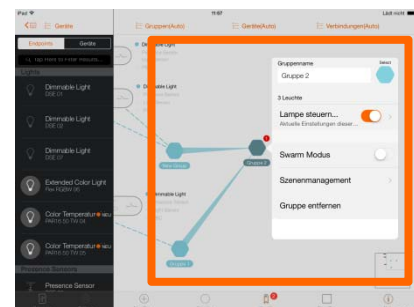


4.2.1.6. Activate the group-in-group function (swarm)

Important:

A group-in-group function is based on a minimum of 2 single groups. Each single group must still be individually configured, but can be additionally integrated into a higher-level group (swarm group) for higher-level functions.

- Step 1: **Establish at least 2 groups**
→ See: 4.2.1.3.: Creating groups
- Step 2: **Activate the "New group" function**
- Step 3: **Connect the already created groups with the newly created swarm group**
- Step 4: **Activate the parameter list (2x short press) of the swarm group**
- Step 5: **Activate "Swarm mode" in the parameter list**



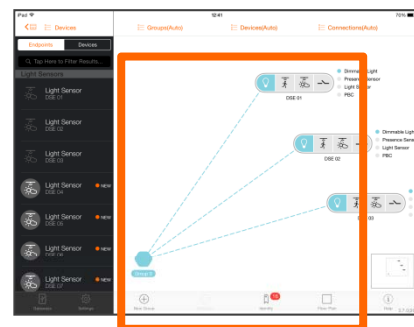
→ The single groups in the swarm still keep their set parameters if these are not modified at single group level.

4.2.1.7. Activating switches / push-buttons and sensors

Important:

Activating switches / push-buttons and/or sensors is a group function, means creating a group before activating certain devices is necessary first hand (→ see: 4.2.1.3.: Creating groups) and this group has to be connected to min. 1 light point (lamp, luminaire).

- Step 1: **Via drag & drop, move the devices** to be grouped from the list of network devices onto the Canvas or use an existing device on canvas
- Step 2: **Connect the end points** of the products to be activated with the newly created group or an existing group
- Step 3: **Activate the parameter list (2x short press)**





5. Control with LIGHTIFY Pro Control App

In section 5, the LIGHTIFY Pro system control is shown with use of the following app:

LIGHTIFY Pro Control App

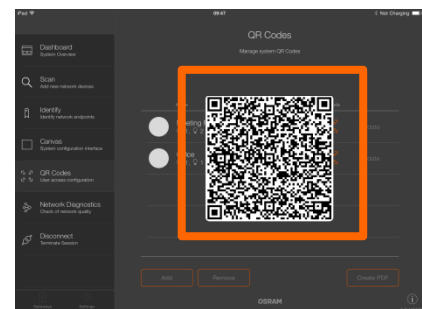


→ Open the app on your smart device.

5.1. Control functions

Important:

Exclusively only **QR codes** created by the **LIGHTIFY Pro Commissioning App** (→ see 4.) can be used, other QR codes will not be scanned or can not be used.



Step 1: Scan a **QR code** generated in the system permissions of the **LIGHTIFY Pro Commissioning App** by using the camera of your smart device

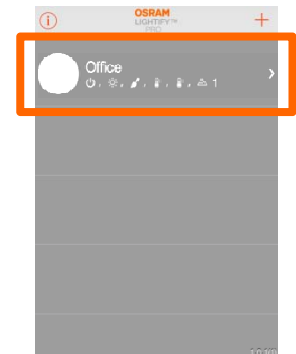


→ **All luminaires / rooms (luminaire groups) and their respective light functions enabled by the system permissions of the LIGHTIFY Pro Commissioning app** are automatically made available for control on the smart device used.

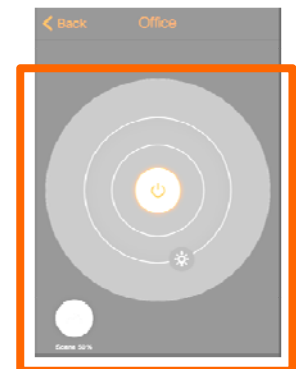


5.1. Control functions

Step 2: **Select a room / group** to open the respective light functions available.



Step 3: **Control your light installation** by operating the intuitive user interface.



Information:

The **LIGHTIFY Pro Control App** can only be used to **control the light** installation.

Requested changes for control functions or a re-commissioning of the light installation has to be done by using the **LIGHTIFY Pro Commissioning App**. After re-commissioning a new **QR code** has to be created to activate new light functions on your smart device.